

**REACTION OF ORAL TISSUES  
TO SILK, CHROMIC CATGUT,  
PROLENE & VICRYL IN  
NEWZEALAND WHITE RABBITS  
(A HISTOLOGICAL STUDY)**



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Surgery is at once a science and an art. Suture materials constitute the most essential element of this art. It is impossible to think of any surgical procedure without sutures. Needless to say therefore, that Surgery and Sutures are inseparable.

A suture is a strand of material which not only, holds the edges of severed tissues together but is also used in ligating the blood vessels.<sup>12</sup> The art of suturing involves appropriate selection of suture material and its placement in a manner consistent with the principles that promote wound healing.

Every Surgeon has to decide which suture material he should use for closure of the wound. Most of the Surgeons have a basic suture routine and a preference for certain materials they use, unless the circumstances dictate otherwise. With a few notable exceptions, Surgeons' choice of suture material is based on their previous experience and the considerations having little to do with biologic interreaction of the host tissue with sutures.<sup>41</sup> However it is not the willful neglect on the part of surgeon towards this criteria but is accountable to the dearth of sound biologic data especially in field of Oral Surgery.